

***F*ORTHCOMING PUBLICATIONS (B)**

August, 2003, Volume 77 B, No. 4

Astrophysics, Atmospheric & Space Physics

Planetary orbits around a spinning gravitating star

M J IQBAL AND JAWAID QUAMAR

Determination of the expected solar diurnal vectors of cosmic rays on the earth

A A DARWISH

General Physics

The universe of operations of thermodynamics vis-à-vis Boltzmann integro-differential equation

ANIL A BHALEKAR

Theoretical and experimental investigations on the frequency selective property of an array of slotted dipoles

D SARKAR, P P SARKAR AND S K CHOWDHURY

Optics & Spectroscopy

Fourier transform emission spectroscopy of the $A^1\Pi - X^1\Sigma^+$ transition in $^{74}\text{Ge}^{80}\text{Se}$

B J SHETTY R J KSHIRSAGAR AND T K BALASUBRAMANIAN

Electronic spectral studies of 2-chloro-6-methoxypyridine in various solvents

B S YADAV, KARUNA GUPTA AND SUBHASH CHAND

Vibrational studies of trifluoromethyl benzene derivative : II 5-amino-2-fluoro and 5-amino-2-chloro benzonitriles

R K YADAV, N P SINGH AND R A YADAV

Electronic spectra of oxadiazoles

R S PRASAD AND N K SHARMA

Double pass L-band erbium-doped fiber amplifier with enhanced gain characteristics

S W HARUN, P POOPALAN AND H AHMAD

Studies of the emission characteristics of erbium/ytterbium-doped optical fibers

P R WATEKAR, J R PANDA, M L N GOSWAMI, S KHER, J C BISWAS AND
H N ACHARYA

FTIR – characterisation and thermal analysis of natural calcite and aragonite

V RAMASAMY, M DHEENATHAYALU, V PONNUSAMY, J HEMALATHA AND P PRESANNALAKSHMI

Plasma Physics

Linear instabilities in multi-ion plasmas

C P ANIL KUMAR, C VENUGOPAL, B GEORGE AND G RENUKA

Notes

Daytime very low frequency (VLF) emissions observed at Maitri station, Antarctica

SUNIL K SINGH, A K GWAL AND SUSHIL KUMAR

Thermodynamics of polar fluid mixtures of hard non-spherical molecules

SHIV PUJAN SINGH AND SURESH K SINHA

An optimal angle of launching a point mass in a medium with quadratic drag force

P S CHOUDINOV

On oscillatory Benard-Marangoni convection in a fluid layer with strong surface deformation

ISHAK HASHIM

Book Review